

King County DNRP Water Quality Index

STATION **KTHA01** WATER YEAR **2018**

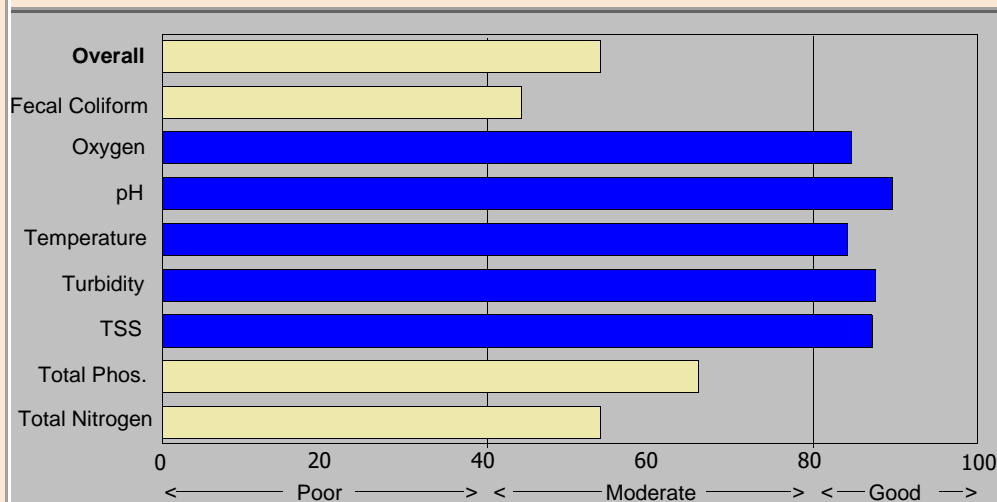
GAUGE # 68D Pipers Creek @ Carkeek Park Intertidal Zone

Overall Index 54

King County has monitored water quality in the Pipers Creek basin at four locations. Station KTHA01 is the furthest upstream location on Pipers Creek located above the Carkeek Park Sewage Treatment Plant. Bacteria has been sampled at this site since the 1970s. The site became part of the routine stream monitoring program in 2016. The Pipers Creek basin encompasses 1,835 highly urbanized acres in the City of Seattle. The creek flows five miles before draining into Puget Sound at Carkeek Park Beach. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen standards. Pipers Creek is also listed in Category 4a and has an approved TMDL plan for fecal coliform bacteria exceedances.

Annual Water Quality Index Scores

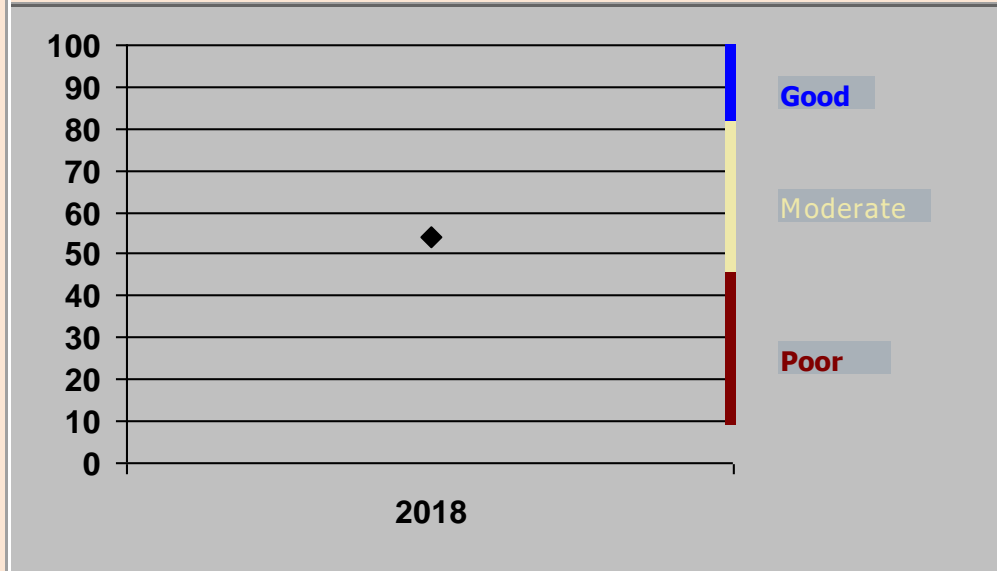
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
82	66	57	85	52	82	71	64	54	80	73	83

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>